

RAW SEQUENCE LISTING

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Application Serial Number: 10/533,799
Source: PG/10
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/533,799

DATE: 05/12/2005
TIME: 08:11:01

Input Set : A:\32.US2.ST25.txt
Output Set: N:\CRF4\05122005\J533799.raw

3 <110> APPLICANT: Arena Pharmaceuticals, Inc.
 4 Semple, Graeme
 5 Skinner, Philip
 6 Cherrier, Martin
 7 Webb, Peter
 8 Tamura, Susan
 10 <120> TITLE OF INVENTION: BENZOTRIAZOLES AND METHODS OF PROPHYLAXIS OR TREATMENT OF
 11 METABOLIC-RELATED DISORDERS THEREOF
 13 <130> FILE REFERENCE: 32.US2.PCT
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/533,799
 C--> 15 <141> CURRENT FILING DATE: 2005-05-04
 15 <150> PRIOR APPLICATION NUMBER: 60/423,819
 16 <151> PRIOR FILING DATE: 2002-11-05
 18 <150> PRIOR APPLICATION NUMBER: PCT/US03/035427
 19 <151> PRIOR FILING DATE: 2003-11-04
 21 <160> NUMBER OF SEQ ID NOS: 4
 23 <170> SOFTWARE: PatentIn version 3.2
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 1164
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Homo sapien
 30 <400> SEQUENCE: 1
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 33 ttccgagatg acttcattgc caagggtttg ccggccgtgt tggggctgga gtttatcttt 120
 35 gggctctgg gcaatggcct tgccctgtgg atttctgtt tccacacctaa gtcctgaaaa 180
 37 tccagccgga ttttcctgtt caacctggca gtagctgact ttctactgtat catctgcctg 240
 39 ccgttcgtga tggactacta tgtgcggcgt tcagactgga actttgggaa catcccttgc 300
 41 cggctggcgc tcttcatgtt tgccatgaac cgccaggggca gcatcatctt cctcacggtg 360
 43 gtggcggtag acaggttattt ccgggtggc cattccccacc acggccctgaa caagatctcc 420
 45 aattggacag cagccatcat ctctgcctt ctgtgggca tcactgttgg cctaacagtc 480
 47 cacccctgaa agaagaagtt gctgatccag aatggccctg caaatgttg catcagcttc 540
 49 agcatctgcc ataccttcgg gtggcacgaa gctatgttcc tcctggagtt cctcctgccc 600
 51 ctgggcatac tcctgttctg ctcagccaga attatctggaa gcctgcggca gagacaaatg 660
 53 gaccggcatg ccaagatcaa gagagccatc accttcatac tgggtggc catcgcttt 720
 55 gtcatctgtc tccttcccaag cgtgggttgc cggatccgca tcttcgtggct cctgcacact 780
 57 tcgggcacgc agaattgtga agtgtaccgc tcgggtggacc tggcggttctt tatcaacttc 840
 59 agcttcacact acatgaacacg catgctggac cccgtgggtgactacttc cagcccatcc 900
 61 tttcccaact tcttcacac tttgatcaac cgctgcctcc agaggaagat gacaggtgag 960
 63 ccagataata accgcagcac gagcgtcgag ctcacagggg accccaaacaa aaccagaggc 1020
 65 gtcggcaggagg cgtaatggc caactccggt gagccatgga gccccttta tctggggcca 1080
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 69 cagttggct gttgcatacgat gtaa 1164
 72 <210> SEQ ID NO: 2

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73 <211> LENGTH: 387
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapien
77 <400> SEQUENCE: 2
79 Met Asn Arg His His Leu Gln Asp His Phe Leu Glu Ile Asp Lys Lys
80 1 5 10 15
83 Asn Cys Cys Val Phe Arg Asp Asp Phe Ile Ala Lys Val Leu Pro Pro
84 20 25 30
87 Val Leu Gly Leu Glu Phe Ile Phe Gly Leu Leu Gly Asn Gly Leu Ala
88 35 40 45
91 Leu Trp Ile Phe Cys Phe His Leu Lys Ser Trp Lys Ser Ser Arg Ile
92 50 55 60
95 Phe Leu Phe Asn Leu Ala Val Ala Asp Phe Leu Leu Ile Ile Cys Leu
96 65 70 75 80
99 Pro Phe Val Met Asp Tyr Tyr Val Arg Arg Ser Asp Trp Asn Phe Gly
100 85 90 95
103 Asp Ile Pro Cys Arg Leu Val Leu Phe Met Phe Ala Met Asn Arg Gln
104 100 105 110
107 Gly Ser Ile Ile Phe Leu Thr Val Val Ala Val Asp Arg Tyr Phe Arg
108 115 120 125
111 Val Val His Pro His His Ala Leu Asn Lys Ile Ser Asn Trp Thr Ala
112 130 135 140
115 Ala Ile Ile Ser Cys Leu Leu Trp Gly Ile Thr Val Gly Leu Thr Val
116 145 150 155 160
119 His Leu Leu Lys Lys Leu Leu Ile Gln Asn Gly Pro Ala Asn Val
120 165 170 175
123 Cys Ile Ser Phe Ser Ile Cys His Thr Phe Arg Trp His Glu Ala Met
124 180 185 190
127 Phe Leu Leu Glu Phe Leu Leu Pro Leu Gly Ile Ile Leu Phe Cys Ser
128 195 200 205
131 Ala Arg Ile Ile Trp Ser Leu Arg Gln Arg Gln Met Asp Arg His Ala
132 210 215 220
135 Lys Ile Lys Arg Ala Ile Thr Phe Ile Met Val Val Ala Ile Val Phe
136 225 230 235 240
139 Val Ile Cys Phe Leu Pro Ser Val Val Val Arg Ile Arg Ile Phe Trp
140 245 250 255
143 Leu Leu His Thr Ser Gly Thr Gln Asn Cys Glu Val Tyr Arg Ser Val
144 260 265 270
147 Asp Leu Ala Phe Phe Ile Thr Leu Ser Phe Thr Tyr Met Asn Ser Met
148 275 280 285
151 Leu Asp Pro Val Val Tyr Tyr Phe Ser Ser Pro Ser Phe Pro Asn Phe
152 290 295 300
155 Phe Ser Thr Leu Ile Asn Arg Cys Leu Gln Arg Lys Met Thr Gly Glu
156 305 310 315 320
159 Pro Asp Asn Asn Arg Ser Thr Ser Val Glu Leu Thr Gly Asp Pro Asn
160 325 330 335
163 Lys Thr Arg Gly Ala Pro Glu Ala Leu Met Ala Asn Ser Gly Glu Pro
164 340 345 350
167 Trp Ser Pro Ser Tyr Leu Gly Pro Thr Ser Asn Asn His Ser Lys Lys

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168	355	360	365	
171	Gly His Cys His Gln Glu Pro Ala Ser Leu Glu Lys Gln Leu Gly Cys			
172	370	375	380	
175	Cys Ile Glu			
176	385			
179	<210> SEQ ID NO: 3			
180	<211> LENGTH: 1092			
181	<212> TYPE: DNA			
182	<213> ORGANISM: Homo sapien			
184	<400> SEQUENCE: 3			
185	atgaatcggc accatctgca ggatcactt ctggaaatag acaagaagaa ctgctgtgt			60
187	ttccgagatg acttcattgt caaggtttt ccggccgtgt tggggcttgg gtttatcttc			120
189	gggctctgg gcaatggcct tggcctgtgg attttctgtt tccacctcaa gtcctggaaa			180
191	tccagccggaa tttcctgtt caacctggca gtggctgact ttctactgtat catctgcctg			240
193	cccttcctgtt tggacaacta tgtgaggcgt tggacttggaa agtttgggaa catcccttgc			300
195	cggtctatgtc ttccatgtt ggctatgaac cgccaggggca gcatcatctt cctcacgggt			360
197	gtggcggtag acaggatattt ccgggtggtc catccccacc acgcccctgaa caagatctcc			420
199	aatcgacacag cagccatcat ctcttgcctt ctgtggggca tcactattgg cctgacagtc			480
201	cacccatgtt agaagaagat gcccgttccag aatggcggtg caaatttgcg cagcagcttc			540
203	agcatctgcc atacccatcca gtggcacgaa gcccgttcc tcctggagtt ctccctgccc			600
205	ctgggcatca tcctgttctg ctcagccaga attatcttggaa gcctgcggca gagacaaatg			660
207	gaccggcatg ccaagatcaa gagagccatc accttcatca tgggtgggttgc catcgcttt			720
209	gtcatctgtt tccttccag cgtgggttgc cggatccgca tcttctggct cctgcacact			780
211	tcgggcacgc agaattgtga agtgtaccgc tcgggtggacc tggcggttctt tatcactctc			840
213	agcttcacctt acatgaacag catgctggac cccgtgggttactacttctc cagcccatcc			900
215	tttcccaact tcttcac tttgtatcaac cgctgcctcc agaggaagat gacaggttag			960
217	ccagataata accgcagcac gagcgtcgag ctcacagggg accccaaacaa aaccagaggc			1020
219	gctccagagg cgttaatggc caactccggt gagccatggaa gccccttta tctggggccca			1080
221	accttcctt aa			1092
224	<210> SEQ ID NO: 4			
225	<211> LENGTH: 363			
226	<212> TYPE: PRT			
227	<213> ORGANISM: Homo sapien			
229	<400> SEQUENCE: 4			
231	Met Asn Arg His His Leu Gln Asp His Phe Leu Glu Ile Asp Lys Lys			
232	1 5 10 15			
235	Asn Cys Cys Val Phe Arg Asp Asp Phe Ile Val Lys Val Leu Pro Pro			
236	20 25 30			
239	Val Leu Gly Leu Glu Phe Ile Phe Gly Leu Leu Gly Asn Gly Leu Ala			
240	35 40 45			
243	Leu Trp Ile Phe Cys Phe His Leu Lys Ser Trp Lys Ser Ser Arg Ile			
244	50 55 60			
247	Phe Leu Phe Asn Leu Ala Val Ala Asp Phe Leu Leu Ile Ile Cys Leu			
248	65 70 75 80			
251	Pro Phe Leu Met Asp Asn Tyr Val Arg Arg Trp Asp Trp Lys Phe Gly			
252	85 90 95			
255	Asp Ile Pro Cys Arg Leu Met Leu Phe Met Leu Ala Met Asn Arg Gln			
256	100 105 110			
259	Gly Ser Ile Ile Phe Leu Thr Val Val Ala Val Asp Arg Tyr Phe Arg			

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260	115	120	125	
263	Val Val His Pro His His Ala	Leu Asn Lys Ile Ser Asn Arg Thr Ala		
264	130	135	140	
267	Ala Ile Ile Ser Cys Leu Leu Trp Gly Ile Thr Ile Gly Leu Thr Val			
268	145	150	155	160
271	His Leu Leu Lys Lys	Met Pro Ile Gln Asn Gly Gly Ala Asn Leu		
272	165	170	175	
275	Cys Ser Ser Phe Ser Ile Cys His Thr Phe Gln Trp His Glu Ala Met			
276	180	185	190	
279	Phe Leu Leu Glu Phe Phe Leu Pro Leu Gly Ile Ile Leu Phe Cys Ser			
280	195	200	205	
283	Ala Arg Ile Ile Trp Ser Leu Arg Gln Arg Gln Met Asp Arg His Ala			
284	210	215	220	
287	Lys Ile Lys Arg Ala Ile Thr Phe Ile Met Val Val Ala Ile Val Phe			
288	225	230	235	240
291	Val Ile Cys Phe Leu Pro Ser Val Val Val Arg Ile Arg Ile Phe Trp			
292	245	250	255	
295	Leu Leu His Thr Ser Gly Thr Gln Asn Cys Glu Val Tyr Arg Ser Val			
296	260	265	270	
299	Asp Leu Ala Phe Phe Ile Thr Leu Ser Phe Thr Tyr Met Asn Ser Met			
300	275	280	285	
303	Leu Asp Pro Val Val Tyr Tyr Phe Ser Ser Pro Ser Phe Pro Asn Phe			
304	290	295	300	
307	Phe Ser Thr Leu Ile Asn Arg Cys Leu Gln Arg Lys Met Thr Gly Glu			
308	305	310	315	320
311	Pro Asp Asn Asn Arg Ser Thr Ser Val Glu Leu Thr Gly Asp Pro Asn			
312	325	330	335	
315	Lys Thr Arg Gly Ala Pro Glu Ala Leu Met Ala Asn Ser Gly Glu Pro			
316	340	345	350	
319	Trp Ser Pro Ser Tyr Leu Gly Pro Thr Ser Pro			
320	355	360		

VERIFICATION SUMMARY DATE: 05/12/2005
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Input Set : A:\32.US2.ST25.txt
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L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date